

Figure 3

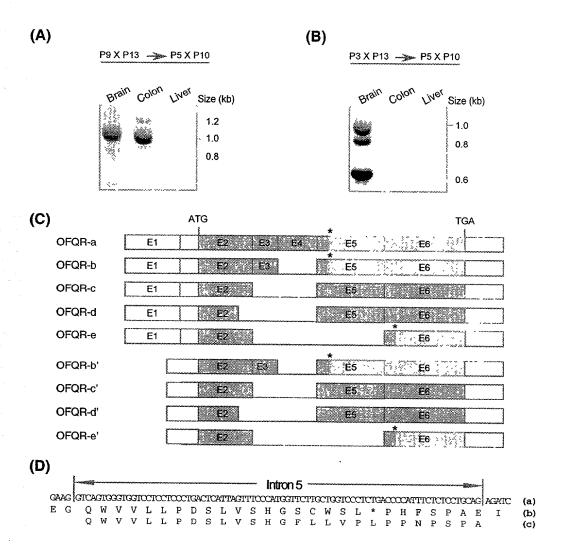


Figure 4

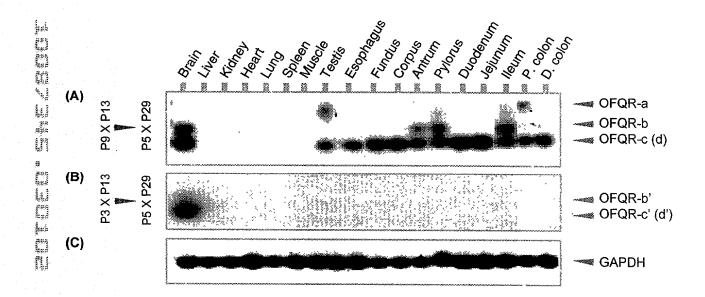


Figure 5

Figure 6 SEQ ID NO:9

1	tgtgtgcccg	tctgccaatt	taagcatgtt	accagcattc	ccatcgtttc	caaatgctga
61				actactttag		
121	aggtgcagga	actctctggg	ggtttgtgtg	ccagcttttg	ccgggggtgg	catggggatg
181	aaaaaggaag	tgatggaagg	gcagggagag	agagagag	agagagagag	agagagag
241	agagagag	agagagagca	acagagagtg	catacttatg	tgctatatat	ctaggggcct
301	ttctctgttc	ttgcctgttc	ccacactagt	tcacatcttg	tttgtatctt	tctctttgtg
361	cctgaatgca	ccttgtgggt	tgtatatgtg	atccttgtgt	gcatctctga	gcacatatcc
421				gtctgggtac		
481	tttgcaggaa	tgtgtcctca	tgtgtctcct	tgagtgtcca	tgtgtctccg	agaacggaga
541				gagtcctggg		
601				ttctgtgagt		
661				atgtgggagg		
721				tgactagaga		
781				cagtggactg		
841				agcttagtat		
901				aagtgaccag		
961				tcagaggcgt		
1021				tgggggttcc		
1081				tagtagactc		
1141				aggcctttac		
1201				tattggacac		
1261				cagtggtggt		
1321				taagttctag		
1381				caaacaaaac		
1441				tttcgagtgt		
1501				atgtgttctt		
1561				atttttgtgt		
1621				gtgagcccat		
1681				gggttctggt		
1741				cacagcccct		
1801				ggctgctgcg		
1861	ccaaccacaa	actaggagg	attcccacc	gcagcagacc	ccaatctaga	atcectatete
1921	ttactcaatc	cactatacta	ctacctaccc	gcagcagacc	taaggattgg	gcgagagcca
1981				gttggaggta		
2041				aggtagctat		
2101				gccccagtgt		
2161						
2221				gggtcttggt		
2281	tatactaca	tacatatata	tatatasaa	accctaatgt	gaggtaacct	tgtaggtaaa
2341				tgtgcccacg		
2401				ttgtgcatgc		
2461				cctcagtgga		
				tactgagtgg		
2521				gtcttgtatg		
2581				cacctgctcc		
2641	tteetgeeee	ttggactcaa	ggtcaccatc	gtggggctct	acttggctgt	gtgcatcggg
2701	gggcccctgg	ggaactgcct	cgtcatgtat	gtcatcctca	ggtaggctgg	gccccatcag
2761	congregate	gggaacctga	ggcaggaggc	tgttctgggt	gaatctgaac	aagtatggat
2821				ctctgttcaa		
2881	gttcaactcc	tgttctgtcc	ccatctgtct	cagactaggt	ggaggcttgg	agctgcagat
2941				cctcatgggt		
3001	tcaaacagag	gaagagggc	tggtgctggg	cctgaagctc	ttattcattg	acttttggga

Figure 6 (cont.)

3061	tctctattca	tggtggatgt	ctttagctga	gcccatgctc	tattggtgct	cagaaatatg
3121	aaaatttgga	ggactagaaa	gaaaggcagc	agtactgggc	aactgagtca	gagtcaacag
3181	tgaggggata	ctggagggag	cagtatgagg	tgcagttctg	tggacacaaa	agctggacaa
3241	ggagtatgca	attggtaaaa	tgtgtcacgg	caatgatggt	ctctqttttt	ttccaqctqq
3301	gagggcattg	agggggactg	gagacagcag	gtgaggactt	gaatgccaga	atggggacat
3361	tgggaagaca	tgggaggtcc	ttgaatggtg	aataactaga	gcaaggttct	tcactgatat
3421	atttcctctt	tcaaaaagat	gactctgaag	aaagcagtca	tqqtcccctt	gatggtatca
3481	tggtaggtgt	ggtggtggtg	gagaaagggc	agtgcaggtt	ctatattctq	cctcatcaco
3541	atcctcttag	tattcctgag	caactqtttt	ctccattcqt	tagatgggaa	atatggatta
3601	cataaccata	tataggtgca	tgtgcataca	cqtqtatata	gtataatatt	gatatgtgat
3661	tggacagtgt	agtaggaaaa	gccttccaaq	tactgacttt	caqcaqaqqa	tccttataaa
3721	aaactattct	atgatctaag	tqttaqaqqa	tattcatctt	tagcaagaag	tgcagcaacc
3781	tgggacagtt	tgtgagcctt	gccttccctt	cttqtcctca	gcatttctct	cccatattta
3841	ctqcatcaqq	gcagacaagg	agcaccatct	tttccagtag	catecteaga	gagetagtet
3901	caggaactgc	tgtggccaca	ctaactctaa	aggcaaaaca	caacatattt	gagetageet
3961	acgccaqqaq	tcagaaaaac	ctactctaaa	ccccatttta	caccttccca	gttccaagcc
4021	ttataaaagc	tacttacgtc	ctccgagcct	cagetteett	ctctgcagcc	targrateta
4081	atagcatttt	ttcttttggg	gtaaacctca	aatgagataa	aatctacgtg	aagaggattag
4141	ctcagatatc	taccattatc	gttgttattg	ttatttatta	tagttaaggt	ctctaggatt
4201	aatgtctaag	aaacagaact	taatcccaga	ttccctgata	gcaactaaac	tatcatcac
4261	tactottacc	tctagttcta	tcactaccat	accaccataa	ccactctaac	caccacggac
4321	accaccatca	ctataatcac	ccttccctac	coctatcata	aagattaatt	cattagage
4381	atatttatca	cttataatgt	ccctagcatg	attcccaata	cttqqataca	tcaaacctaa
4441	ctagcacatc	tcttgttttc	tttattagaa	ttaaaaaata	aattatatt	atttatatat
4501	ctatatatat	ctgtctggat	gtgtaggtga	gaggagaaag	ttagatttat	ccttttacca
4561	tgtaagtttc	tccttctacc	acatocotco	tagaagaaag	actragatta	tcagaattgg
4621	tagtaagtgc	ccttaccggc	tgagcgattt	aactaacas	acctaggetg	ttttaattaa
4681	tagacaatac	tgtgcagttg	gaagacacag	atctttgatg	aactttacad	grantgrat
4741	gaaaagcctc	tgagagaagt	cttaagagag	actgaggaga	daececacag	tetetetete
4801	ttgattcatt	ccacaaactc	acattcaggt	tagatatgga	ctcacctact	cctcctctc
4861	cccaactttt	ccagggtagt	cttatcatta	atttggaacc	tttctctataca	tatcatagec
4921	acatggggaa	gcttgttaaa	atcccaaact	cagtggactt	tagatataat	acadatata
4981	ccatttaata	agcttccttg	gagactctgg	gattaagaga	ttcaaagacc	ataaccetet
5041	tagtagtece	ttagctgcca	agtctacgca	aaatggccaa	atggaggett	tettetett
5101	qtcctctaca	ggcacaccaa	gatgaagaca	actaccaaca	tttacatatt	taateteee
5161	ctqqctqata	ccctggtctt	gctaacactg	cccttccaga	acacacact	cctactggca
5221	ttctqqccat	ttgggaatgc	actctgcaag	actotcodago	ctatccacta	ctacagggc
5281	tttaccacca	cttttactct	gaccgccatg	accetacacc	actatataaa	tatatagana
5341	cctatccqtq	cccttgatgt	toggacatoo	agegeagace	aggetattaa	tataggasts
5401	tagaccctaa	cttcagtggt	tagtattect	attaccatca	tagattaaa	agaagtggaa
5461	gatgaaggtc	agtgggtggt	cctcctccct	gactcattag	tttcccatca	ttetteetee
5521	tccctctgac	cccatttctc	teetgeagag	atcoactocc	taataaaat	castagagat
5581	caqqactatt	ggggccctgt	attcgccatc	tacatettee	tttttcctt	catcatccct
5641	gtgctgatca	tctctgtctg	ctacageete	atgattcgac	gacttcgtgg	tatagatata
5701	ctttcaggct	cccgggagaa	ddaccdaaac	ctacaacata	taactcaact	agtagtagta
5761	ataataacta	tgtttgtggg	ctactagaca	cctatacaaa	tattatat	ggtgetggta
5821	ctgggtattc	agccaggtag	tgagactgca	attaccatca	tacacttata	cacacacata
5881	ggctatgtca	acagttgtct	caatcccatt	ctctatactt	testestes	gazattazza
5941	gcctgcttta	gaaagttctg	ctatactica	tecetacace	angagataga	gaaccccaag
6001	cgtqtqcqqa	gcattgccaa	ggatgttggg	cttaattace	agacttotos	gacactacc
6061	cggccaqcat	gactaggcgt	ggacctgcc	atagtaceta	traccreace	gacagcacca
6121	acacccaaca	cggagctcac	acaggtgagt	actictictage	ttgaccctga	accttcacce
6181	tctggagcct	tgaatggctt	ttettttaaa	tcaggatggt	cagtactea	acceryagea
	20-0-9-	555000	c c c g g a	Juggarger	cagcictaga	ggaagaccit

Figure 6 (cont.)

```
ttagcaccat gggacaggtc aaagcatcaa ggtggtctcc atggcctctg tcaqattaaq
6301
      ttccctccct ggtataggac cagagaggac caaaggaact gaatagaaac atccacaaca
      cagtggacat gcctggtgag cccatgtagg tattcatgct tcacttgact cttctctqqc
      ttctccctgc tgccctggct ctagctgggc tcaacctgag gtattgtagt ggtcatgtag
6421
6481
      tcactcttgt gactacatgt tgtgtgctgt tgctctcggc ctttcagtat ttccacaqqa
6541
      ctgctgaaca tacctggtat tgcagtgggg agcattaatt ttcttttaaa qtqaqactqq
6601
      cccttaagct tggcgttgcc ttggagcgtc ttctacttct gacttcactg atgcagtcag
6661
      attacccgag ggtgagcatc agtggtttct tggatggctg ttttctgaag attcttccca
6721
      tccagtacat ggagtctatg aagggagtca caattcatct ggtactqcca ctacctqctc
6781
      tataatcctg ggctatcttc ttggcaagat gacagtgggg gagacaagac acagagcttc
6841
      cctaaggctc tttccctcca aaaccactgt gaactcttat cctacagact gttcggcaag
6901
      cactgettet aggtgtgtgg gaggtaatca ggagaaaget ttgtggcete tqtaqqetqe
6961
      tcacaacatg gaggcaccac atgctggtct tgcctgctta gtacaggcag gacagagcag
7021
      aatatgetet etetegatte tetacaaact eecteagtte tecaqeagag tetettttae
7081
      ttgctatcag aggtcaggag ttgtactgct agaagcatac ttgtagcttg ggaagagtgg
7141
      cagtcaggat gtgttctact ctatatccac agtgaccacc tgcttcatat atagggttag
7201
     gacatatctg agtaaggcct gagtgtgctg ccaaattgga ggttggtatg agagctgatg
7261
      cctaaagtgg ctcatttgca aggactatta tggtttggaa tagcaatggg cactggtcgg
7321
      cgaagaagag tctatacctt cgagatctat ttgatggttc acagaagagg ttttgtcaaa
7381
      cgcccttcta tgggtcagat atcaaaatac cagcaacgtt ggatagattc tgacctttta
7441
      ctgagacctc ggtcagatgg tttcatgtca tgcagagaac ctaggctggt tcctgtgtca
7501
      gagagacctg ggcttctggg gaggccaggg ttcttccttt gacacttgtg cgggacqcqt
      tagctctaga gttttcttgc taatgctaag aaactttgtg aatttgtata tctttatgta
7561
7621
      tttaagcatg caacaagcgt catttccatg catgtagcta gccctgaacc tgcctctggg
7681
      gtaatgaagg agtgctcata acaaacactt atccagtgac cagtactgtc catagcctaa
7741
      gtgtttctga ctccagctac ataagagtaa cttcctgggt attgatatgc actgggatga
7801
      ggcacagaac caggttcatg ggttttaaac ctgttctgcc cttgcaaggg actttaagga
7861
      acttcttgat tgatgggagg aaaactagtt cctgggttgc agaggctgct gcctttcctt
     ctcccaagac aatgactatc ttttctcccc acactcagga acagtgggta gatgcctttc
7921
7981
     ttcacagttt ttctttgtag actcttgctg cttgagcaaa tctaaaagga gttgtggtga
8041
     tcagagcaga ggacccttct ctggtggcag agcaacccta tgctatagag atctacccc
8101
     tggctcttgt ctgtgtaggc ccaatctggc tcaattgacc ctctggcaga tggcccttat
8161
     caggggggct ttgaagaggg tcttacttgc caaagcgctt gctttcagta cagagctggt
8221
     gagccaaagc ttggttttat acaagtttta atgacattgt ccatttgttt tttgttttt
8281
      agtctagcag tttataatca aaaggtatga atttctaata ggcttaaaag atgcagccca
     tgcaggcatg gtggattgga ttctatgaga tt
```

Figure 7 SEQ ID NO:10

7						
1	ctgcacagcc	cctccttctc	tcagccgcag	ccttctgccc	ctcccccttc	tggctgccgc
61	accggctgct	gcgtctagtc	aatatcttat	cttccgagca	ggagctagga	gccattccca
121	gccgcagcag	accccaatct	agagtgagag	tcattgctca	gtccactgtg	ctcctqcctq
181	cccgcctttc	tgctaagcat	tggggtctat	tttggcccag	cttctgaaga	ggctgtgtgt
241	gccgttggag	gaactgtact	gagtggcttt	gcagggtgac	agcatggagt	ccctctttcc
301	tgctccatac	tgggaggtct	tgtatggcag	ccactttcaa	gggaacctqt	ccctcctaaa
361	tgagaccgta	ccccaccacc	tgctcctcaa	tgctagtcac	agcgccttcc	taccccttaa
421	actcaaggtc	accatcgtgg	ggctctactt	ggctgtgtgc	atcqqqqqqc	tcctggggaa
481	ctgcctcgtc	atgtatgtca	tcctcagctg	ggagggcatt	gaggggact	ggagagagga
541	gacaatactg	tgcagttgga	agacacagat	ctttqatqaa	ctttacaggc	agtgccctga
601	aaagcctctg	agagaagtct	taagagagac	tqaqqaqaqa	agacagcatc	tetetetet
661	gattcattcc	acaaactcac	attcaggcac	accaaqatqa	agacagetae	caacatttac
721	atatttaatc	tggcactggc	tgataccctq	qtcttqctaa	cactoccett	ccadadcaca
781	gacatcctac	tgggcttctg	gccatttggg	aatgcactct	gcaagactgt	cattoctato
841	gactactaca	acatgtttac	cagcactttt	actctgaccg	ccatgagegt	agaccoctat
901	gtggctatct	gccaccctat	ccqtqccctt	gatgttcgga	caticcagcaa	aggeegeege
961	gttaatgtgg	ccatatgggc	cctqqcttca	ataattaata	ttcctattac	catcatggct
1021	tcagcacaag	tggaagatga	agagatcgag	tacctaataa	agatecetee	ccctcacaggc
1081	tattggggcc	ctgtattcgc	catctgcatc	ttccttttt	ccttcatcat	ccctcaggac
1141	atcatctctg	tctgctacag	cctcatgatt	cgacgacttc	ataatataa	tataatttaa
1201	ggctcccggg	agaaggaccg	aaacctgcgg	cgtatcactc	gagtgatact	gatagtagta
1261	gctgtgtttg	tgggctgctg	gacgcctgtg	caggtgtttg	teeteettee	agraging
1321	gttcagccag	gtagtgagac	tacaattacc	atcctgcgct	tetagagaga	aggactgggt
1381	gtcaacagtt	gtctcaatcc	cattctctat	actttcctcc	atgracage	za z z z z z z z z
1441	tttagaaagt	tetgetgtge	ttcatccctc	geeceegg	tagagattta	taaggcctgc
1501	cqqaqcattq	ccaaggatgt	tageettagt	tacaaaatt	gtggggttc	Lyatogtgtg
1561	gcatga		-55-0000990	cycaayactt	ccyayacagt	accacggcca

Figure 8 SEQ ID NO:11

 $\label{lem:meslfpapywevlygshfqgnlsllnetvphhlllnashsaflplglkvtivglylavciggllgn clvmyvilswegiegdwrqqtilcswktqifdelyrqcpekplrevlreteerrqhlsllihstnsh sgtpr$

Figure 9 SEQ ID NO:12

1	ctgcacagcc	cctccttctc	tcagccgcag	ccttctgccc	ctccccttc	taactaccac
61	accggctgct	gcgtctagtc	aatatcttat	cttccgagca	ggagctagga	qccattccca
121	gccgcagcag	accccaatct	agagtgagag	tcattqctca	gtccactgtg	ctcctaccta
181					cttctgaaga	
241	gccgttggag	gaactgtact	gagtggcttt	gcagggtgac	agcatggagt	ccctctttcc
301					gggaacctgt	
361	tgagaccgta	ccccaccacc	tgctcctcaa	tgctagtcac	agcgccttcc	taccccttaa
421	actcaaggtc	accatcgtgg	ggctctactt	ggctgtgtgc	atcggggggc	tcctqqqqaa
481	ctgcctcgtc	atgtatgtca	tcctcagctg	ggagggcatt	gagggggact	qqaqacaqca
541	ggcacaccaa	gatgaagaca	gctaccaaca	tttacatatt	taatctggca	ctggctgata
601					cctactgggc	
661	ttgggaatgc	actctgcaag	actgtcattg	ctatcgacta	ctacaacatg	tttaccacca
721	cttttactct	gaccgccatg	agcgtagacc	gctatgtggc	tatctgccac	cctatccqtq
781					tgtggccata	
841	cttcagtggt	tggtgttcct	gttgccatca	tgggttcagc	acaagtggaa	gatgaagaga
901	tcgagtgcct	ggtggagatc	cctgcccctc	aggactattg	gggccctgta	ttcqccatct
961	gcatcttcct	tttttccttc	atcatccctg	tgctgatcat	ctctgtctgc	tacageetea
1021	tgattcgacg	acttcgtggt	gtccgtctgc	tttcaggctc	ccgggagaag	qaccqaaacc
1081	tgcggcgtat	cactcgactg	gtgctggtag	tggtggctgt	gtttgtgggc	tactaacac
1141	ctgtgcaggt	gtttgtcctg	gttcaaggac	tgggtgttca	gccaggtagt	gagactgcag
1201	ttgccatcct	gcgcttctgc	acagccctgg	gctatgtcaa	cagttgtctc	aatcccattc
1261	tctatgcttt	cctggatgag	aacttcaagg	cctgctttag	aaagttctgc	tgtgcttcat
1321	ccctgcaccg	ggagatgcag	gtttctgatc	gtgtgcggag	cattgccaag	gatgttggcc
1381	ttggttgcaa	gacttctgag	acagtaccac	ggccagcatg	a	

Figure 10 SEQ ID NO:13

 ${\tt MESLFPAPYWEVLYGSHFQGNLSLLNETVPHHLLLNASHSAFLPLGLKVTIVGLYLAVCIGGLLGNCLVMY} \\ {\tt VILSWEGIEGDWRQQAHQDEDSYQHLHI}$

Figure 11 SEQ ID NO:14

_						
1	ctgcacagcc	cctccttctc	tcagccgcag	ccttctgccc	ctcccccttc	tggctgccgc
61	accggctgct	gcgtctagtc	aatatcttat	cttccgagca	ggagctagga	gccattccca
121	gccgcagcag	accccaatct	agagtgagag	tcattgctca	gtccactgtg	ctcctqcctq
181	cccgcctttc	tgctaagcat	tggggtctat	tttggcccag	cttctqaaqa	gactatatat
241	gccgttggag	gaactgtact	gagtggcttt	gcagggtgac	agcatggagt	ccctctttcc
301	tgctccatac	tgggaggtct	tgtatggcag	ccactttcaa	gggaacctgt	ccctcctaaa
361	tgagaccgta	cccaccacc	tqctcctcaa	tactaatcac	agggggttgg	taccccttaa
421	actcaaggtc	accatcgtgg	ggctctactt	gactatatac	aticagagaaa	tectagadaa
481	ctgcctcgtc	atgtatgtca	tcctcaggca	caccaagatg	aadacadcta	ccaacattta
541	catatttaat	ctggcactgg	ctgataccct	gatettaeta	acactacact	tagagagaa
601	agacatccta	ctgggcttct	agccatttag	gaetacacta	tagaagagta	testtestat
661	cgactactac	aacatgttta	ccaccacttt	tactetere	aggatagacty	teatigetat
721	tataactata	tacasaata	taggtagget	tactetgace	gecatgageg	Lagacegeta
781	tottott	tgccacccta	reegracer	tgatgttcgg	acatccagca	aagcccaggc
	Lgccaatgtg	gccatatggg	ccctggcttc	agtggttggt	gttcctgttg	ccatcatggg
841	ttcagcacaa	gtggaagatg	aagagatcga	gtgcctggtg	gagatccctg	cccctcagga
901	ctattggggc	cctgtattcg	ccatctgcat	cttccttttt	tccttcatca	tccctqtqct
961	gatcatctct	gtctgctaca	gcctcatgat	tcgacgactt	cgtggtgtcc	atctactttc
1021	aggctcccgg	gagaaggacc	gaaacctgcg	gcgtatcact	cgactggtgc	taataataat
1081	ggctgtgttt	gtgggctgct	ggacgcctgt	gcaggtgttt	atcctaattc	aaggactggg
1141	tgttcagcca	ggtagtgaga	ctqcaqttqc	catcctgcgc	ttctgcacag	ccctacacta
1201	tgtcaacagt	tgtctcaatc	ccattctcta	tactttccta	gatgagaact	traaggrea
1261	ctttagaaaq	ttctgctgtg	cttcatccct	acaccaaaaa	atgraggttt	ctgatcgtgt
1321	gcggagcatt	gccaaggatg	ttaacettaa	ttacaagact	tetaagacaa	taggaggg
1381	agcatqa	595449	55-000099	cogcaagacc	cccgagacag	caccacggee

Figure 12 SEQ ID NO:15

MESLFPAPYWEVLYGSHFQGNLSLLNETVPHHLLLNASHSAFLPLGLKVTIVGLYLAVCIGGLLGNCLVMY VILRHTKMKTATNIYIFNLALADTLVLLTLPFQGTDILLGFWPFGNALCKTVIAIDYYNMFTSTFTLTAMS VDRYVAICHPIRALDVRTSSKAQAVNVAIWALASVVGVPVAIMGSAQVEDEEIECLVEIPAPQDYWGPVFA ICIFLFSFIIPVLIISVCYSLMIRRLRGVRLLSGSREKDRNLRRITRLVLVVVAVFVGCWTPVQVFVLVQG LGVQPGSETAVAILRFCTALGYVNSCLNPILYAFLDENFKACFRKFCCASSLHREMQVSDRVRSIAKDVGL GCKTSETVPRPA

Figure 13 SEQ ID NO:16

1	ctgcacagcc	cctccttctc	tcagccgcag	ccttctgccc	ctccccttc	tggctgccgc
61	accggctgct	gcgtctagtc	aatatcttat	cttccgagca	ggagctagga	gccattccca
121	gccgcagcag	accccaatct	agagtgagag	tcattgctca	gtccactgtg	ctcctgcctg
181	cccgcctttc	tgctaagcat	tggggtctat	tttggcccag	cttctgaaga	ggctgtgtgt
241	gccgttggag	gaactgtact	gagtggcttt	gcagggtgac	agcatggagt	ccctctttcc
301	tgctccatac	tgggaggtct	tgtatggcag	ccactttcaa	gggaacctgt	ccctcctaaa
361	tgagaccgta	ccccaccacc	tgctcctcaa	tgctagtcac	agcgccttcc	tgccccttgg
421	actcaaggtc	accatcgtgg	ggctctactt	ggctgtgtgc	atcggggggc	tcctggggaa
481	ctgcctcgtc	atgcacacca	agatgaagac	agctaccaac	atttacatat	ttaatctggc
541	actggctgat	accctggtct	tgctaacact	gcccttccag	ggcacagaca	tcctactggg
601	cttctggcca	tttgggaatg	cactctgcaa	gactgtcatt	gctatcgact	actacaacat
661	gtttaccagc	acttttactc	tgaccgccat	gagcgtagac	cgctatgtgg	ctatctgcca
721	ccctatccgt	gcccttgatg	ttcggacatc	cagcaaagcc	caggctgtta	atgtggccat
781	atgggccctg	gcttcagtgg	ttggtgttcc	tgttgccatc	atgggttcag	cacaagtgga
841	agatgaagag	atcgagtgcc	tggtggagat	ccctgcccct	caggactatt	ggggccctgt
901	attcgccatc	tgcatcttcc	ttttttcctt	catcatccct	gtgctgatca	tctctgtctg
961	ctacagcctc	atgattcgac	gacttcgtgg	tgtccgtctg	ctttcaggct	cccgggagaa
1021	ggaccgaaac	ctgcggcgta	tcactcgact	ggtgctggta	gtggtggctg	tgtttgtggg
1081	ctgctggacg	cctgtgcagg	tgtttgtcct	ggttcaagga	ctgggtgttc	agccaggtag
1141	tgagactgca	gttgccatcc	tgcgcttctg	cacagccctg	ggctatgtca	acagttgtct
1201	caatcccatt	ctctatgctt	tcctggatga	gaacttcaag	gcctgcttta	gaaagttctg
1261	ctgtgcttca	tccctgcacc	gggagatgca	ggtttctgat	cgtgtgcgga	gcattgccaa
1321	ggatgttggc	cttggttgca	agacttctga	gacagtacca	cggccagcat	ga

Figure 14 SEQ ID NO:17

MESLFPAPYWEVLYGSHFQGNLSLLNETVPHHLLLNASHSAFLPLGLKVTIVGLYLAVCIGGLLGNCLVMH TKMKTATNIYIFNLALADTLVLLTLPFQGTDILLGFWPFGNALCKTVIAIDYYNMFTSTFTLTAMSVDRYV AICHPIRALDVRTSSKAQAVNVAIWALASVVGVPVAIMGSAQVEDEEIECLVEIPAPQDYWGPVFAICIFL FSFIIPVLIISVCYSLMIRRLRGVRLLSGSREKDRNLRRITRLVLVVVAVFVGCWTPVQVFVLVQGLGVQP GSETAVAILRFCTALGYVNSCLNPILYAFLDENFKACFRKFCCASSLHREMQVSDRVRSIAKDVGLGCKTS ETVPRPA

Figure 15 SEQ ID NO:18

1	gctcatggag	gcgttcatgt	gcctgttagt	gtagttgtgc	tgtgttctaa	ggcctcagtg
61		agcactgtgg				
121		ggtgacagca				
181	tggcagccac	tttcaaggga	acctgtccct	cctaaatgag	accgtacccc	accacctgct
241	cctcaatgct	agtcacagcg	ccttcctgcc	ccttggactc	aaggtcacca	tcgtggggct
301		gtgtgcatcg				
361		ggcattgagg				
421	ccaacattta					

Figure 16 SEQ ID NO:19

1	gctcatggag	gcgttcatgt	gcctgttagt	gtagttgtgc	tgtgttctaa	ggcctcagtg
61	gacggtgtct	agcactgtgg	ttacttgttt	ctgtgccctg	ttccaggaac	tgtactgagt
121	ggctttgcag	ggtgacagca	tggagtccct	ctttcctgct	ccatactggg	aggtcttgta
181	tggcagccac	tttcaaggga	acctgtccct	cctaaatgag	accgtacccc	accacctgct
241	cctcaatgct	agtcacagcg	ccttcctgcc	ccttggactc	aaggtcacca	tcgtggggct
301	ctacttggct	gtgtgcatcg	gggggctcct	ggggaactgc	ctcgtcatgt	atgtcatcct
361	caggcacacc	aagatgaaga	cagctaccaa	catttacata	tttaatctgg	cactggctga
421	taccctggtc	ttgctaacac	tgcccttcca	gggcacagac	atcctactgg	gcttctggcc
481	atttgggaat	gcactctgca	agactgtcat	tgctatcgac	tactacaaca	tgtttaccag
541	cacttttact	ctgaccgcca	tgagcgtaga	ccgctatgtg	gctatctgcc	accctatccg
601	tgcccttgat	gttcggacat	ccagcaaagc	ccaggctgtt	aatgtggcca	tatgggccct
661	ggcttcagtg	gttggtgttc	ctgttgccat	catgggttca	gcacaagtgg	aagatgaaga
721				tcaggactat		
781	ctgcatcttc	ctttttcct	tcatcatccc	tgtgctgatc	atctctgtct	gctacagcct
841	catgattcga	cgacttcgtg	gtgtccgtct	gctttcaggc	tcccgggaga	aggaccgaaa
901	cctgcggcgt	atcactcgac	tggtgctggt	agtggtggct	gtgtttgtgg	gctgctggac
961				actgggtgtt		
1021	agttgccatc	ctgcgcttct	gcacagccct	gggctatgtc	aacagttgtc	tcaatcccat
1081	tctctatgct	ttcctggatg	agaacttcaa	ggcctgcttt	agaaagttct	gctgtgcttc
1141	atccctgcac	cgggagatgc	aggtttctga	tcgtgtgcgg	agcattgcca	aggatgttgg
1201				acggccagca		

Figure 17 SEQ ID NO:20

1	gctcatggag	gcgttcatgt	gcctgttagt	gtagttgtgc	tgtgttctaa	gacatcagta
61	gacggtgtct	agcactgtgg	ttacttgttt	ctatacccta	ttccaggaac	tatactaaat
121	ggctttgcag	ggtgacagca	tggagtccct	ctttcctqct	ccatactggg	aggtettgta
181	tggcagccac	tttcaaqqqa	acctgtccct	cctaaatgag	accgtacccc	accacctact
241	cctcaatgct	agtcacagcg	ccttcctqcc	ccttggactc	aaggtcacca	tratagaart
301	ctacttggct	qtqtqcatcq	gagageteet	agagaactac	ctcgtcatgc	acaccaacat
361	gaagacagct	accaacattt	acatatttaa	tetageacta	gctgataccc	tootetteet
421	aacactgccc	ttccagggca	cagacatect	actoggette	tggccatttg	ggaatggat
481	ctqcaaqact	gtcattgcta	tcgactacta	caacatottt	accagcactt	ttaatataa
541	caccataaac	gtagaccgct	atgtgggtat	ctacaegaat	atccgtgccc	ttactctgac
601	gacatccagc	aaagcccagg	ctattaatat	aggestatag	gccctggctt	asataattaa
661	tattcctatt	accatcatca	attarage	agternation	gaagagatcg	caginggingg
721	ggagatccct	gccaccacgg	agtattagga	agrygaagar	gaagagatcg	agtgcctggt
781	tteetteete	atactata	actattgggg	ceetgtatte	gccatctgca	tcttcctttt
841	tastastat	acceetgege	tgatcatctc	tgtctgctac	agcctcatga	ttcgacgact
	tegragegee	egtetgettt	caggeteeeg	ggagaaggac	cgaaacctgc	ggcgtatcac
901	tegactggtg	ctggtagtgg	tggctgtgtt	tgtgggctgc	tggacgcctg	tgcaggtgtt
961	tgtcctggtt	caaggactgg	gtgttcagcc	aggtagtgag	actgcagttg	ccatcctaca
1021	cttctgcaca	gccctgggct	atgtcaacag	ttgtctcaat	cccattctct	atgettteet
1081	ggatgagaac	ttcaaggcct	gctttaqaaa	attctactat	gcttcatccc	tacaccaga
1141	gatgcaggtt	tctgatcgtg	tgcggaqcat	tqccaaqqat	gttggccttg	attacaagac
1201	ttctgagaca	gtaccacggc	cagcatga	5 55	5 -55	Jesjouagae

Figure 18 SEQ ID NO:21

1	gctcatggag	gcgttcatgt	gcctgttagt	gtagttgtgc	tgtgttctaa	ggcctcagtq
61	gacggtgtct	agcactgtgg	ttacttgttt	ctgtgccctg	ttccaggaac	tgtactgagt
121	ggctttgcag	ggtgacagca	tggagtccct	ctttcctgct	ccatactggg	aggtettgta
181	tggcagccac	tttcaaggga	acctgtccct	cctaaatgag	accgtacccc	accacctqct
241	cctcaatgct	agtcacagcg	ccttcctgcc	ccttggactc	aaqqtcacca	tcatagaact
301	ctacttggct	gtgtgcatcg	gggggctcct	ggggaactgc	ctcqtcatqt	atgtcatcct
361	cagagatcga	gtgcctggtg	gagatccctg	ccctcagga	ctattqqqqc	cctqtattcq
421	ccatctgcat	cttccttttt	tccttcatca	tccctgtgct	gatcatctct	gtctgctaca
481	gcctcatgat	tcgacgactt	cgtggtgtcc	gtctgctttc	aggeteeegg	gagaaggagg
541	gaaacctgcg	gcgtatcact	cgactggtgc	tggtagtggt	aactatattt	atagactact
601	ggacgcctgt	gcaggtgttt	gtcctggttc	aaggactggg	tattcaacca	gatagtgaga
661	ctgcagttgc	catcctgcgc	ttctgcacag	ccctgggcta	tatcaacaat	tgtctcaatc
721	ccattctcta	tgctttcctg	gatgagaact	tcaaggcctg	ctttagaaag	ttctactata
781	cttcatccct	gcaccgggag	atqcaqqttt	ctgatcgtgt	gcggagcatt	accaaddata
841	ttggccttgg	ttgcaagact	tctgagacag	taccacggcc	agcatga	Jeeuuggueg

Figure 19 SEQ ID NO:22

1	cctgctctgc	acctgtcgtc	gactgccagc	cggctgaggg	cgggggtctc	cacggtggtc
61	ccagctccca	aggaggttgc	agaagtaccg	tacagagtgg	atttgcaggg	cagtggcatg
121	gagcccctct	tccccgcgcc	gttctgggag	gttatctacg	gcagccacct	tcagggcaac
181	ctgtccctcc	tgagccccaa	ccacagtctg	ctgcccccgc	atctgctgct	caatgccagc
241	cacggcgcct	tcctgcccct	cgggctcaag	gtcaccatcg	tggggctcta	cctggccgtg
301	tgtgtcggag	ggctcctggg	gaactgcctt	gtcatgtacg	tcatcctcag	qcacaccaaa
361	atgaagacag	ccaccaatat	ttacatcttt	aacctggccc	tggccgacac	tctqqtcctq
421	ctgacgctgc	ccttccaggg	cacggacatc	ctcctgggct	tctqqccqtt	taggaataca
481	ctgtgcaaga	cagtcattgc	cattgactac	tacaacatgt	tcaccagcac	cttcacccta
541	actgccatga	gtgtggatcg	ctatgtagcc	atctgccacc	ccatccqtqc	cctcqacqtc
601	cgcacgtcca	gcaaagccca	ggctgtcaat	gtggccatct	gggccctggc	ctctattatc
661	ggtgttcccg	ttgccatcat	gggctcggca	caggtcgagg	atgaagagat	cgagtgcctg
721	gtggagatcc	ctacccctca	ggattactgg	ggcccggtgt	ttqccatctq	catcttcctc
781	ttctccttca	tcgtccccgt	gctcgtcatc	tctqtctqct	acageeteat	gatccggcgg
841	ctccgtggag	tccgcctgct	ctcgggctcc	cgagagaagg	accggaacct	gcggcgcatc
901	actcggctgg	tgctggtggt	agtggctgtg	ttcqtqqqct	gctggacgcc	tatccagatc
961	ttcgtgctgg	cccaagggct	gggggttcag	ccqaqcaqcq	agactgccgt	ggccattctg
1021	cgcttctgca	cggccctggg	ctacgtcaac	agctgcctca	accccatcct	ctacgccttc
1081	ctggatgaga	acttcaaggc	ctgcttccgc	aagttctgct	gtgcatctgc	cctacaccaa
1141	gacgtgcagg	tgtctgaccg	cgtgcgcagc	attqccaaqq	acqtqqccct	gacctacaaa
1201	acctctgaga	cggtaccgcg	gcccgcatga	ctaggcgtgg	acctgcccat	gatacctatc
1261	agcccgcaga	gcccatctac	gcccaacaca	gageteacae	aggtcactgc	tctctaggcg
1321	gacacaccct	gggccctgag	catccagagc	ctqqqatqqq	cttttcccta	tagaccagag
1381	atgctcggtc	ccagaggagg	acctagtgac	atcatqqqac	aggtcaaagc	attagggcca
1441	cctccatggc	cccagacaga	ctaaagctgc	cctcctqqtq	cagggccgag	gggacacaag
1501	gacctacctg	gaagcagctg	acatgctggt	ggacggccgt	tactqqaqcc	catacccctc
1561	cctccccgtg	cttcatgtga	ctcttggcct	ctctgctgct	gcqttqqcaq	aaccctqqqt
1621	gggcaggcac	ccggaggagg	agcagcagct	gtgtcatcct	gtgccccca	tatactatat
1681	gctgtttgca	tggcagggct	ccagctgcct	tcaqccctqt	gacgtctcct	caggggaggt
1741	ggacaggctt	ggcacggccc	gggaagtgca	gcaggcagct	tttctttqqq	gtgggacttg
1801	ccctgagctt	ggagctgcca	cctggaggac	ttgcctgttc	cgactccacc	tgtgcagccg
1861	gggccacccc	aggagaaagt	gtccaggtgg	gggctggcag	tccctqqctq	caqaccccqa
1921	gctggccctc	ggaccgcacc	tctgaaggtt	ttctgtgtgc	tgcacggtqc	aggcctcatc
1981	cctgactgca	gcttgactct	gggcccaacc	cccatttccc	ttcaggagac	caqcqaqaqq
2041	ccctggccat	ccctccagcg	gtgcaatgaa	ctatatqctq	tggaccgtca	acccaqccct
2101	gcttctcagt	gtggggcagg	tgtctcagga	cgaaggcgcc	qcqtqaccac	atgggcagct
2161	ctgttcacaa	agtggaggcc	tcgttttcct	ggtcttgact	actctattta	ggtggagaa
2221	gattctctgg	gggtccccac	atcctcccaa	ggctcccctc	acaqcctctc	ctttqcttqa
2281	agccagaggt	cagtggccgt	gctgtgttgc	ggggaagctg	tataaaaaaa	gaagetggtg
2341	gccacagcag	agtcctgctc	tggggacgcc	tgcttcattt	acaagcctca	agatggctct
2401	gtgtagggcc	tgagcttgct	gcccaacggg	aggatggctt	cacagcagag	ccaqcatqaq
2461	gggtggggcc	tggcagggct	tgcttgagcc	aaactgcaaa	ggctgtggta	gctgtgagga
2521	cactgcgggg	gttg		-		

Figure 20 SEQ ID NO:23

 $\label{lem:meslfpapywevlygshfqgnlsllnetvphhlllnashsaflplglkvtivglylavciggllgn clvmyvilrdrvpggdpcpsgllgpcirhlhlpfflhhpcadhlcllqphdsttswcpsafrlpge gpkpaayhstgagsggcvcglldacagvcpgsrtgcsar$